

Lecture 1- Introduction

Lecture schedule

Definitions, Concepts and Methods
Progress, 1947-1967
Decade of crisis, 1967-1977
Growth & problems, 1977-1997

Grading

45% 3 hourly exams
20% Discussion
15% Book/Film Report (4-6 pages)
20% Group research Project (see webpage)

Political overview

1945-1952 Harry S. Truman, liberal, new deal
1952-1960 Dwight D. Eisenhower, moderate conservative
1960-1963 John F. Kennedy, liberal, New Frontier
1963-1968 Lyndon B. Johnson, liberal, Great Society
1968-1973 Richard M Nixon, conservative
1973-1976 Gerarld R. Ford, moderate conservative
1976-1980 Jimmy Carter, moderate liberal
1980-1988 Ronald Reagan, conservative
1988-1992 George Bush, conservative
1992-2000 Bill Clinton, moderate liberal
2000-2004 George Bush, moderate conservative

Major scientific changes

1945 Atomic Bomb
1950s Nuclear reactors begin to come on line
1955 Polio vaccine & discovery of DNA
1957 Sputnik, beginning of race to the moon
1963 Rachel Carsons, Silent Spring
1970s beginning of the era of the personal computer
1973 RNDA
1980 AIDS
1982 Star Wars announcement
1986 Challenger disaster
2000 Humane genome is published
2001 9/11, major emphasis on research related to bioterrorism
2003 computer security

Cases in the news....

Broad definition of science and technology (concentric circle model)

ideas
methods
professional
societal